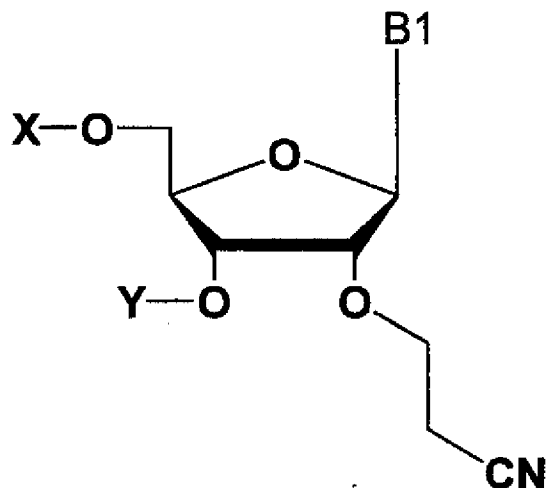


What is claimed is:

1. A nucleoside that is represented by the general formula (I) or a nucleotide derived therefrom:

[Chemical formula 1]

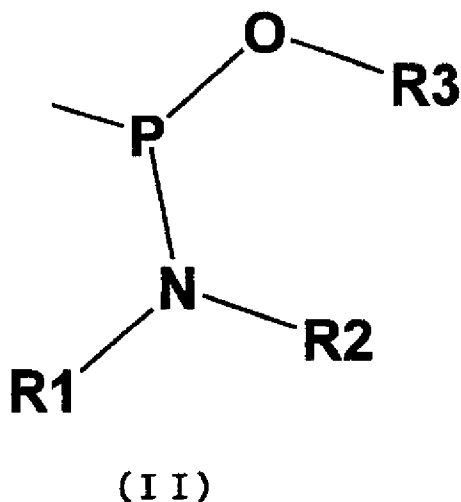


(I)

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wherein X and Y may be the same as or different from each other, and are hydrogen, optionally substituted silyl group, 4-methoxytrityl group, 4,4'-dimethoxytrityl group or a group represented by the general formula (II):

10 [Chemical formula 2]



wherein R1 and R2 may be the same as or different from each other, representing an alkyl group having 1-7 carbon atoms such as diisopropyl, or they are united with each other to form a ring structure, R3 represents a protective group for a phosphoric acid such as 2-cyanoethyl; and B1 represents an optionally substituted pyrimidine or purine base.

2. 2'-O-cyanoethyluridine.
3. 2'-O-cyanoethylcytidine.
- 10 4. 2'-O-cyanoethyladenosine.
5. 2'-O-cyanoethylguanosine.
6. N-4-dimethylaminomethylene-2'-O-cyanoethylcytidine.
7. N-6-dimethylaminomethylene-2'-O-cyanoethyladenosine.
8. N-2-dimethylaminomethylene-6-O-triisopropylbenzenesulfonyl-2'-O-cyanoethylguanosine.
- 15 9. N-4-acetyl-2'-O-(2-cyanoethyl)cytidine.
10. N-2-dimethylaminomethylene-2'-O-cyanoethylguanosine.
11. A method for the synthesis of a nucleoside according to

any one of Claims 1- 10, which is characterized by cyanoethyletherification of 2' hydroxyl group in the presence or absence of t-butylalcohol using as materials a compound selected from the group consisting of cesium carbonate, DBU and TritonB; acrylonitrile and a nucleoside derivative.

12. A method according to Claim 11 which is carried out using the compound selected from the group consisting of cesium carbonate, DBU and TritonB that is present in a range of 0.1-30 equiv for the nucleoside derivative in the presence of t-butylalcohol in a range of 0.05-30 equiv for the acrylonitrile.

13. A method according to Claim 11 or 12 using cesium carbonate.

14. A method according to any one of Claims 11 - 13 which is carried out at a temperature of from 20°C to 30°C.

15. A method according to any one of Claims 11 - 14 which is carried out for 2-3 hours.

16. A RNA oligomer comprising the nucleoside according to any one of Claims 1 - 10.